



TITLE:

LABORATORIES OF VISITING PROFESSORS:
SOLID STATE CHEMISTRY-Structure Analysis,
FUNDAMENTAL MATERIAL PROPERTIES-
Composite Material Properties, SYNTHETIC
ORGANIC CHEMISTRY-Synthetic Theory

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LABORATORIES OF VISITING PROFESSORS

SOLID STATE CHEMISTRY — Structure Analysis —



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Lectures at ICR

Spin Liquid State around a Doped Hole in Insulating Curates
Effect on Stripes on Electronic States in Undoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$



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Lectures at ICR

The Basic Theory on the High-Tc Superconductor 1
The Basic Theory on the High-Tc Superconductor 2

FUNDAMENTAL MATERIAL PROPERTIES — Composite Material Properties —



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Lectures at ICR

Basic Studies and Industrial Applications of Melt Spinning, Wet Spinning, and Dry Spinning
High-Speed Spinning of Poly(ethylene terephthalate) and Poly(ethylene naphthalate)
Pursuit of Aesthetics and Development of *Shin-Gosen* Fabrics
Development and Industrial Applications of High Strength and High Modulus Aramid Fibers and Carbon Fibers
Functional Fibers for Health and Comfort



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Lectures at ICR

Supramolecular Chemistry of Curved Conjugated System — Complex Formation between the Belt-shaped Conjugated Molecule and Fullerenes

SYNTHETIC ORGANIC CHEMISTRY — Synthetic Theory —



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Lectures at ICR

Current Natural Product Synthesis



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Lectures at ICR

Molecular Design and Synthesis of Novel Functional Molecules